

# Trace5

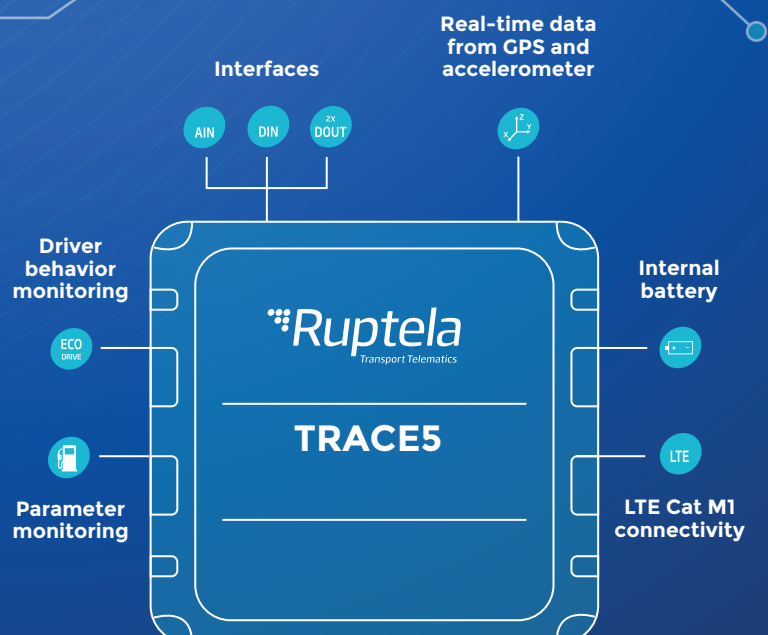
## Datasheet



- **Trace5** has a proven quality rate of 99.9% and comes with a 2 year warranty.
- This **GPS tracker** uses **LTE CAT M1** connectivity and a premium GPS module from **Ublox**.
- It is a compact, **Plug&Play** type GPS tracker, that can connect multiple accessories.

## Applications

- ✓ Track & Trace
- ✓ Safety & Security
- ✓ Green fleet
- ✓ Delivery
- ✓ Service fleets
- ✓ Vehicle leasing and financing
- ✓ Car rental



# Detailed specifications

## Environmental

Temperature	• Operating:	-22 to 140 °F	(-30 to +60 °C)
	• Storage:	-40 to 149 °F	(-40 to +65 °C)
	• Battery charging:	32 to 113 °F	(0 to +45 °C)
	• Battery discharging:	-4 to 140 °F	(-20 to +60 °C)
	• Battery storage:	-4 to 140 °F	(-20 to +60 °C)
Relative humidity	• 5% to 95% Non-condensing		

## Electrical

Power supply range	• 8 – 30 V DC		
Internal battery	• LiPo 3.7 V 190 mAh		
Protections	• Battery short circuit protection		
	• Reverse polarity protection		
	• Electrostatic discharge protection on USB		
	• Charging protection		

## Power consumption @ 12 V DC

Operating (battery fully charged)	• Idle mode:	97 mA
	• Active mode (peak):	137 mA
	• Sleep mode (lowest):	7 mA

## Connectivity

LTE Cat M1 (4G)	• Modem:	Quectel BG96
	• Antenna:	Internal
	• Bands:	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B28/B39
GNSS	• Module:	U-blox EVA-M8M
	• Antenna:	Internal
	• Positioning systems:	GPS, GLONASS, Galileo
	• Augmentation systems:	QZSS, SBAS (WAAS, GAGAN, EGNOS, MSAS)
	• Tracking sensitivity:	-154 to -164 dBm
	• Reacquisition sensitivity:	-152 to -160 dBm
	• Cold start duration:	< 30 s
	• Aided start:	3 s

## Interfaces

Digital inputs	<ul style="list-style-type: none"><li>• Available inputs: 1</li><li>• Voltage range: 0 - 30 V DC</li><li>• Voltage threshold: 4 V DC</li><li>• Voltage threshold when inverted: 250 mV DC</li></ul>
Analog inputs	<ul style="list-style-type: none"><li>• Available inputs: 1</li><li>• Voltage range: 0 - 30 V DC</li><li>• Resolution: 12 bit</li></ul>
Digital outputs	<ul style="list-style-type: none"><li>• Available outputs: 2</li><li>• Maximum voltage: 32 V DC</li><li>• Maximum current: 1 A</li></ul>
User interfaces	<ul style="list-style-type: none"><li>• Mini USB interface</li><li>• RG indication LED</li></ul>

## Features

Internal storage	<ul style="list-style-type: none"><li>• 8 MB</li></ul>
SIM card	<ul style="list-style-type: none"><li>• Micro SIM</li></ul>
Device management	<ul style="list-style-type: none"><li>• Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely</li></ul>
Accelerometer	<ul style="list-style-type: none"><li>• Built-in 3-axis (auto-calibrating, impact detection, motion sensing, tilt detection, g-force up to 4 g)</li></ul>

## Certifications and Ratings

Certifications	<ul style="list-style-type: none"><li>• FCC, IC, PTCRB (pending), Carrier approvals (pending)</li></ul>
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## Physical Properties

Dimensions	<ul style="list-style-type: none"><li>• 2.54 x 2.40 x 0.87" (65 x 61 x 22 mm)</li></ul>
Weight	<ul style="list-style-type: none"><li>• 2.47 oz (70 g)</li></ul>
Housing	<ul style="list-style-type: none"><li>• Plastic</li></ul>

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